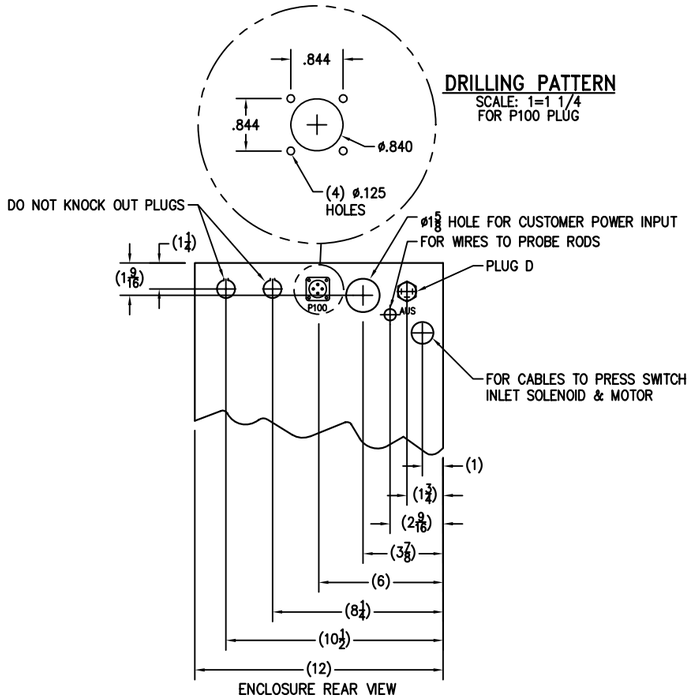
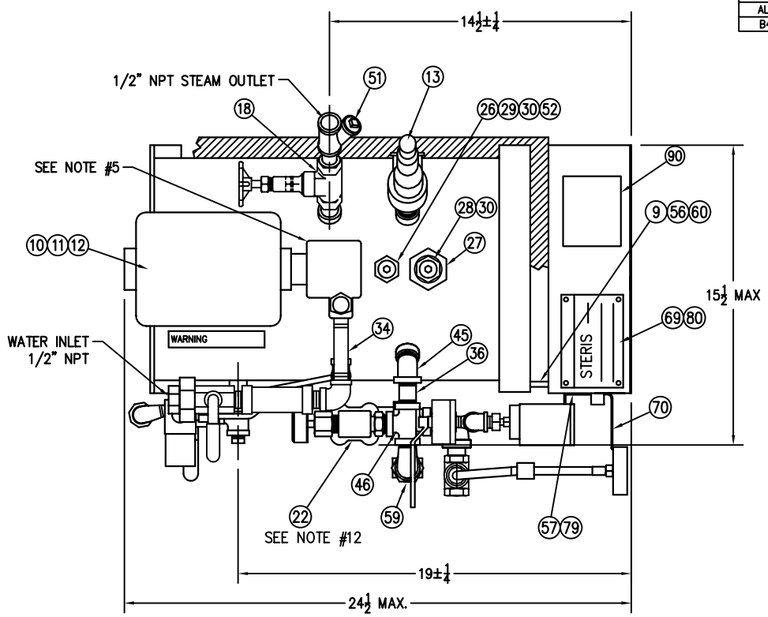
REVISIONS							
ZONE	REV	DESCRIPTION	DATE	DWN	CHKR	ENGR	APVD
ALL	6	CHANGED STEAM OUTLET AND DRAIN VALVE (18) FROM BALL VALVE TO GATE VALVE	6/27/2000	T..G..T	RCJ	MLJ	LTA
6A	7	NOT E 13 WAS "FOR 208/240 SEE 022-300018-031".	1/11/2001	TGT	RCJ	MLJ	LTA
B8	8	CHANGED INSULATION TYPE; ECN 991566	10/16/2001	TGT	RCJ	MLJ	LTA
ALL	9	REVISED SEVERAL BALLOONS.	11/27/2001	ALT	RCJ	MLJ	LTA
B4	10	REMOVED ITEM 76 PER ECN 993387	9/18/2002	TGT	RCJ	MLJ	LTA



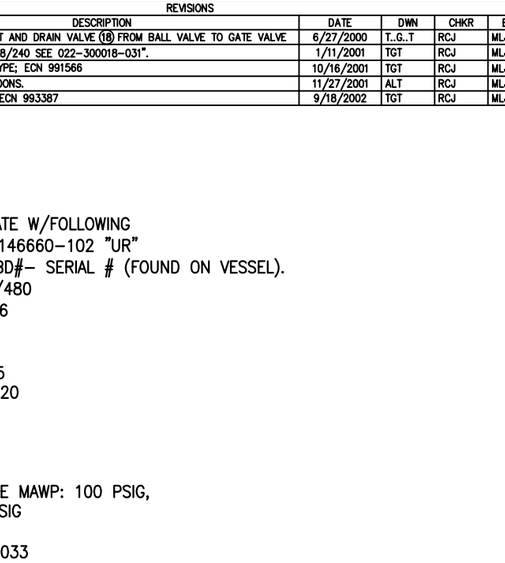


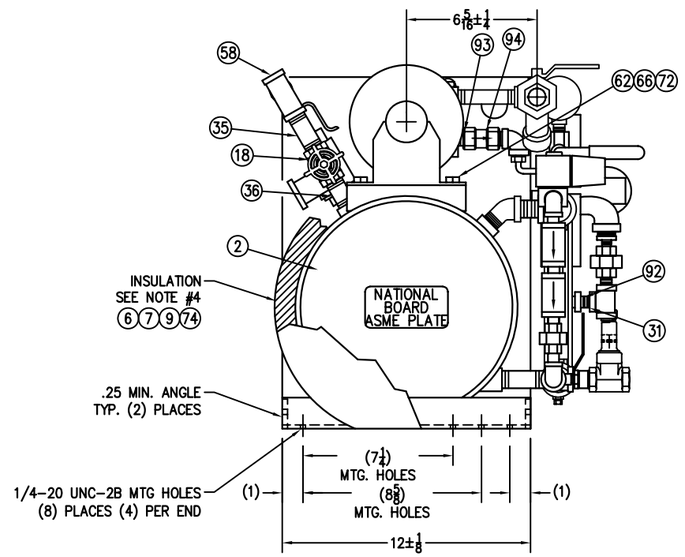
STAMP ID NAMEPLATE W/FOLLOWING
MODEL: CHS30AS-146660-102 "UR"
SERIAL NO: NATL BD#- SERIAL # (FOUND ON VESSEL).
POWER VOLT: 440/480
POWER AMP: 33/36
PHASE: 3
KW: 25/30
MAX. LBS/HR.: 105
CONTROL VOLTS: 120
CONTROL AMP: 5.2
PHASE: 1
HZ: 50/60
ASME CODE: M
WORKING PRESSURE MAWP: 100 PSIG,
TRIMMED AT:100 PSIG
DATE:
P/N:022-300018-033

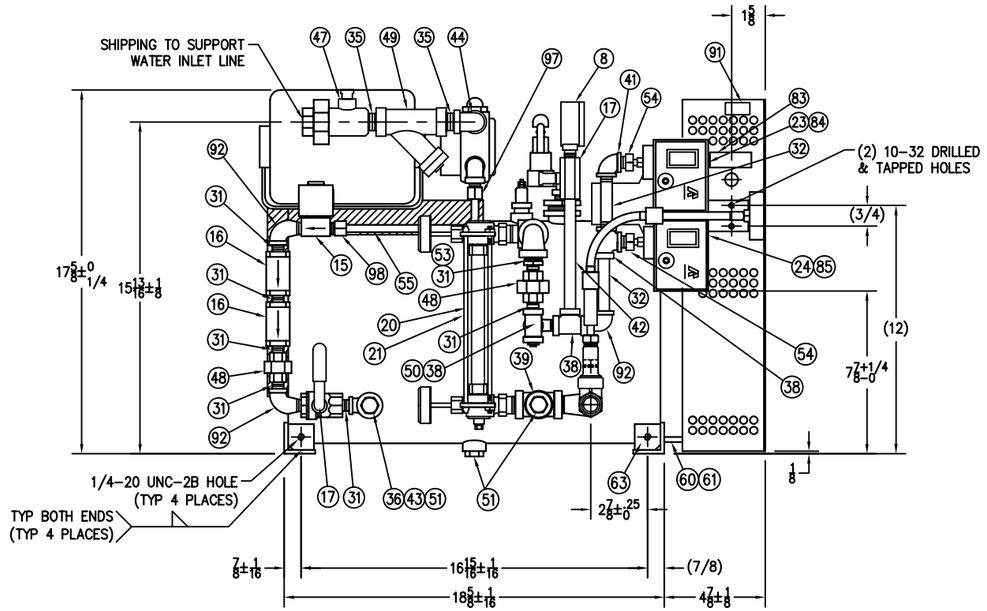
(4) WIRING ASSEMBLY 337-300509-034
(99) SHIPPING CRATE

INSIDE FRONT COVER

(86) LABEL (WIRING DIAGRAM) 170-300007-137
(87) PROBE LOCATION
(88) UNIT CLEARANCE
(89) ASME WARNING




6 5/16 ± 1/4
INSULATION SEE NOTE #4 (6)(7)(9)(74)
NATIONAL BOARD ASME PLATE
.25 MIN. ANGLE TYP. (2) PLACES
1/4-20 UNC-2B MTG HOLES (8) PLACES (4) PER END
(7 1/2) MTG. HOLES
(8 5/8) MTG. HOLES
(1)
(1)
12 ± 1/8


SHIPPING TO SUPPORT WATER INLET LINE
(2) 10-32 DRILLED & TAPPED HOLES
(3/4)
(12)
17 5/8 ± 0 1/4
15 13/16 ± 1/8
7 7/8 + 1/4 - 0
1/4-20 UNC-2B HOLE (TYP 4 PLACES)
TYP BOTH ENDS (TYP 4 PLACES)
2 7/8 + .25 - 0
1/8
7/8 ± 1/16
16 15/16 ± 1/16
(7/8)
18 5/8 ± 1/16
4 7/8 ± 1/8

NOTES:

1. PRESSURE VESSEL BUILT PER ASME SECTION 1, PART PMB TO A MAXIMUM ALLOWABLE WORKING PRESSURE OF 100 PSIG AND A TEMPERATURE OF 350°F.
2. 20 KW RATING IS 60 LBM STEAM PER HOUR. 30 KW RATING IS 60 LBM STEAM PER HOUR @ CONDITIONS OF 60°F WATER FEED TEMPERATURE AND AN OPERATING PRESSURE OF 40 PSIG.
3. WIRING CABLES NOT SHOWN.
4. 1" FIBERGLASS INSULATION WITH FSK FACING.
5. WATER FEED PUMP RATING: 1/4 HP, 120V, 1PH, 25 GPH @ 100 PSIG. PUMP FURNISHED WITH HIGH TEMPERATURE SEALS FOR 180° INLET WATER.
6. MOUNTING ANGLE 1 1/2 X 1 1/2 X 1/4" THICK.
7. ALL EXTERNAL PIPING FURNISHED IN BRASS OR BRONZE.
8. 1/2" SIGHTGLASS VALVE ASSEMBLY WITH VERTICAL BALL CHECK AND DRAIN PER ASME BP&V SECTION 1.
9. WATER PROVIDED AT 20 TO 50 PSIG DYNAMIC PRESSURE MINIMUM OF 140°F FOR SPECIFIC RESULTS. WATER QUALITY TO BE WITHIN 0 TO 1 GRAIN OF HARDNESS.
10. WEIGHT OF UNIT IS 141 LBS SHIPPING APPROX. WEIGHT OF UNIT IS 173 LBS OPERATING APPROX.
11. PURCHASE SPECIFICATION NUMBERS: 150828-178
12. FRONT TWO GUARD RODS SLIDE IN FROM TOP. REAR GUARD RODS SLIDE IN FROM BOTTOM, HELD IN PLACE BY LOCK NUTS (22).
13. BOILER UL RECOGNIZED FILE E46357 CSA CERTIFIED FILE LR-59327-7.
14. SEND 1 COPY EACH OF PQ443 (161-300574-004) AND 161-025682-003 WITH EACH BOILER.

AMSCO REF PART NUMBER: 146660-102
PROJECT BOB

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE: FRACTIONS ±1/32 DECIMALS .XX ±0.01 .XXX ±0.005 ANGLES ±2°

MATERIALS

FINISH

THIS DRAWING AND THE SUBJECT MATTER SHOWN HEREON IS CONSIDERED CONFIDENTIAL AND MAY BE PROPRIETARY. UNAUTHORIZED DISCLOSURE TO OTHER PARTIES IS EXPRESSLY FORBIDDEN.

CONTRACT NO

USED ON

APPROVALS		DATE
DWN	JMR	12-2-1993
CHKR	SWH	12-3-1993
ENGR	KAW	12-3-1993
APVD	KAW	12-3-1993
DWO 744503	CO# 582912	

CAD NO

Chromalox® PRECISION HEAT AND CONTROL
Ogden, Utah 84404
www.chromalox.com

BOILER STEAM GENERATOR CHS-30AS-146660-102 440/480V, 3PH, 25/30KW

SIZE	CODE IDENT NO	DRAWING NO	REV
D	07131	022-300018-033	10

SCALE 1=3.75 | DO NOT SCALE DRAWING | SHEET 1 OF 1